



**ERS**  
METALS

## 1.5" Mechanical Lock Standing Seam **M150**

Standing Seam · Best for: High-load and coastal projects

**HVHZ APPROVED**

**FL46540.02-R0 (24 GA STEEL) · FL46540.03-R0 (0.032" ALUMINUM)**

- Seam height: 1.5" nominal
- Material: 24 ga steel (50 ksi min) or 0.032" aluminum
- Attachment: Concealed fixed clip
- Fastener: (2) #10 × 1" pancake-style per clip, per FBC 1506.6
- Finish: Galvalume, SMP or PVDF (steel); PVDF (aluminum)
- Panel coverage: 16" maximum
- Seaming: Field seamed to 90 degrees
- Clip: 1.5" tall 26 ga fixed clip, 2" x 1" base or larger
- Substrate: 15/32" minimum plywood

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## PRODUCT OVERVIEW

The heaviest standing seam assembly in the line. A 1.5" mechanically seamed rib closed to 90 degrees, available in steel or coastal aluminum, with a sealant option that lifts the steel panel to its top rating.

## SPECIFICATIONS

|                |                                                     |
|----------------|-----------------------------------------------------|
| Seam height    | 1.5" nominal                                        |
| Panel coverage | 16" maximum                                         |
| Material       | 24 ga steel (50 ksi min) or 0.032" aluminum         |
| Seaming        | Field seamed to 90 degrees                          |
| Attachment     | Concealed fixed clip                                |
| Clip           | 1.5" tall 26 ga fixed clip, 2" x 1" base or larger  |
| Fastener       | (2) #10 x 1" pancake-style per clip, per FBC 1506.6 |
| Substrate      | 15/32" minimum plywood                              |
| Finish         | Galvalume, SMP or PVDF (steel); PVDF (aluminum)     |

## ATTACHMENT METHODS AND ALLOWABLE LOADS

Steel and aluminum carry separate approvals and separate load ratings.

| METHOD   | ALLOWABLE LOAD   | INSTALLATION                                                                                                          |
|----------|------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>A</b> | <b>101 psf</b>   | 24 ga steel · clips at 16" o.c., panel seamed to 90 degrees                                                           |
| <b>B</b> | <b>131 psf</b>   | 24 ga steel · clips at 8" o.c., seamed to 90 degrees, continuous bead of Bostik 915 or similar on top of male leg     |
| <b>A</b> | <b>56 psf</b>    | 0.032" aluminum · clips at 16" o.c., panel seamed to 90 degrees                                                       |
| <b>B</b> | <b>108.5 psf</b> | 0.032" aluminum · clips at 8" o.c., seamed to 90 degrees, continuous bead of Bostik 915 or similar on top of male leg |

Allowable loads shown include a factor of safety of 2.0. Select the method that satisfies the design wind load for the project's roof zone and exposure.

This panel has demonstrated compliance with the 2023 Florida Building Code, Section 1504.3.2 (non-HVHZ) and Sections 1518.9.1 / 1523.6.5.2.4 (HVHZ), under Rule 61G20-3.